

DFFA

Mouse Anti-Human DFF45 Clone 6B8SG Affinity Purified mAb

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|---------------------------------|---|------------------|--------|
| Catalog No. | CMD102 | Quantity: | 100 µg |
| Alternate Names: | DFF1, ICAD, DFF-45 | | |
| Description: | <p>Mouse Anti-Human DFF45 Clone 6B8SG Affinity Purified monoclonal antibody. During apoptosis, various stimuli activate a protease cascade of caspases that eventually cause degradation of chromosomal DNA. DFF45 (DNA fragmentation factor 45) is a downstream regulator of DNA degradation (DFF40). DFF40 is an apoptotic DNase with a high specific activity that exists in an inactive complex with DFF45 in living cells. Cleavage of DFF45, which is mediated by caspase-3, leads to DFF40 release where it then enters nucleus to function as a nuclease. DFF45 may inhibit the DNase activity of DFF40 and its nuclear translocation. Activation of DFF40 causes DNA degradation, a hallmark of apoptosis.</p> | | |
| Concentration: | 0.5 mg/ml | | |
| Gene ID: | 1676 | | |
| Specificity: | Recognizes 45 and 40 kDa proteins, corresponding to the apparent molecular weight of human DFF45/ICAD _L and DFF45/ICAD _S respectively. | | |
| Host: | Mouse | | |
| Immunogen: | Recombinant human DFF45 | | |
| Isotype: | IgG1 | | |
| Clone: | 6B8SG | | |
| Formulation: | Liquid in PBS + 50% glycerol + 0.5% BSA + 0.02% thimerosal. Precaution: Thimerosal is a poisonous and hazardous substance which should be handled by trained staff only. | | |
| Purification: | Biospecific affinity chromatography | | |
| Applications: | Western Blot | | |
| Application Notes: | For Western Blot, use a working dilution of 0.5-4 µg/ml. The optimal concentration should be determined by the user for each specific application. | | |
| Storage & Stability: | Store at -20°C or in working aliquots at -80°C for long term storage. Avoid repeated freeze-thaw cycles. | | |

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

